

ANNUAL REPORT FY 2 0 0 7 THE OCEAN OBSERVING SYSTEM FOR CLIMATE



LIST OF ACRONYMS

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AAAS American Association for the Advancement of Science

ABL Atmospheric Boundary Layer ADCP Acoustic Doppler Current Profiler

ADP Adopt a Drifter Program
AGU American Geophysical Union

AMMA African Monsoon Multidisciplinary Analyses

AMS American Meteorological Society

AMSR Advanced Microwave Scanning Radiometer

AMSU-B Advanced Microwave Sounding Unit – Channel B

AMVER Automated Mutual assistance Vessel Rescue system

AOML Atlantic Oceanographic and Meteorological Laboratory

APDRC Asia-Pacific Data Research Center
APL Applied Physics Laboratory
ARCs Applied Research Centers
ArcIMS Arc Internet Map Server

ARPEGE-CLIMAT Climate Research Project on Small and Large Scales (France)

ASIMET Air-Sea Interaction Meteorology system

BAKOSURTANAL National Coordinating Agency for Surveys and Mapping, Indonesia

BATHY Bathythermograph format for data exchange

BMRC Bureau of Meteorology Research Centre (Australia)

BoM Bureau of Meteorology (Australia)

BPR Bottom Pressure Recorder

BSH Bundesamt für Seeschifffahrt und Hydrographie (Federal Maritime and

Hydrographic Agency) (Germany)

CARINA CARbon dioxide IN the Atlantic C&GC Climate and Global Change

CCHCO CLIVAR and Carbon Hydrographic Data Office

CCRI Climate Change Research Initiative
CCSP Climate Change Science Program
CDC Climate Diagnostics Center

CDIAC Carbon Dioxide Information Analysis Center

CDP Climate Data Portal

CEOF Complex Empirical Orthogonal Function

CFD Computer Flow Dynamics CGPS Continuously Operated GPS

CICOR Cooperative Institute for Climate and Ocean Research
CIMAS Cooperative Institute for Marine and Atmospheric Studies
CIRES Cooperative Institute for Research in Environmental Sciences

CLIPS Climate Information and Prediction Services Project

CLIVAR CLImate VARiability and Predictability
C-MAN Coastal-Marine Automated Network
CMAP CPC Merged Analysis of Precipitation

CMORPH CPC MORPHing Technique

COLA Center for Ocean, Land, and Atmosphere Studies
COAPS Center for Ocean-Atmospheric Prediction Studies

COOP Coastal Ocean Observations Panel (GOOS)

COP Climate Observation Program

CORC Consortium on the Ocean's Role in Climate

COSC Climate Observing System Council

COSP Climate Observations and Services

CLIVAR Climate Variability and Predictability Program

CPC Climate Prediction Center CPO Climate Program Office

CPPA Climate Prediction Program for the Americas CPRDB Comprehensive Pacific Raining Database

CSIRO Commonwealth Scientific and Industrial Research Organization

CTD Conductivity, Temperature, Depth

DAC Data Assembly Center

DART Deep Ocean Assessment and Reporting of Tsunamis (Buoy)

DBCP Data Buoy Cooperation Panel
DCP Data Collection Platform
DCS Data Collection System
DMC Drought Monitoring Center
DODS Distributed Ocean Data System

DOE Department of Energy
DSL Digital Subscriber Line

DWBC Deep Western Boundary Current

ECCO Estimating the Circulation and Climate of the Ocean ECMWF European Centre for Medium-Range Weather Forecasts

ENSO El Niño-Southern Oscillation EOF Empirical Orthogonal Function

EPIC Eastern Pacific Investigation of Climate

ERA40 ECMWF ReAnalysis-40 ERS Earth Remote-sensing Satellite

ESDIM Environmental Services Data and Information Management (NOAA)

ESRI Environmental Systems Research Institute ETL Environmental Technology Laboratory

EVAC Environmental Verification and Analysis Center

FAO Food and Agriculture Organization (UN)
FGDC Federal Geographic Data Committee
FLOAT Argo subsurface profiling floats
FRX Frequently Repeated XBT
FS Frequently Sampled Line

FSU-COAPS Florida State University Center for Ocean-Atmosphere Prediction Studies

FTE Full Time Equivalent

FY Fiscal Year

GAINS GLOSS Development in the Atlantic and Indian Oceans

GAPP GEWEX Americas Prediction Project

GCC Global Carbon Cycle

GCOS Global Climate Observing System

GCP Global Carbon Project

GCTE Global Change and Terrestrial Ecology Program

GCRMN Global Coral Reef Monitoring Network

GDC Global Drifter Center
GDP Global Drifter Program
GEOSAT Geodesy Satellite

GEWEX Global Energy and Water-cycle Experiment

GIS Geographic Information System
GLOSS Global Sea Level Observing System

GODAE Global Ocean Data Assimilation Experiment

GODAR Global Oceanographic Data Archaeology and Rescue Project

GOES Geostationary Operational Environmental Satellite

GOOS Global Ocean Observing System

GOSUD Global Ocean Surface Underway Data project GPCP Global Precipitation Climatology Project

GPS Global Positioning System

GPS@TG Co-located GPS systems at tide gauge stations

GSOP Global Synthesis and Observations Panel of CLIVAR

GTS Global Telecommunications System

GTSPP Global Temperature-Salinity Profile Program

HD High Density Line HRX High Resolution XBT

HURDAT Atlantic Basin Hurricane Database

IAI Inter-American Institute for Global Change Research
ICOADS International Comprehensive Ocean-Atmosphere Data Set

IDOE International Decade of Ocean Exploration

IES Inverted Echo Sounder

IFREMER Institut français de recherche pour l'exploitation de la mer (French Research

Institute for Exploitation of the Sea) (France)

IGBP International Geosphere-Biosphere ProgrammeIGCO Integrated Global Carbon Observing teamIHO International Hydrographic Organization

IMBER Integrated Marine Biogeochemistry and Ecosystem Research

IMET Improved METeorological instrument

IMMAInternational Maritime Meteorological Archive formatIOCIntergovernmental Oceanographic CommissionIOCCPInternational Ocean Carbon Coordination Project

IODE International Oceanographic Data and information Exchange

IOOS Integrated Ocean Observing System

IOOS-DMAC Integrated Ocean Observing System – Data Management and Communication

IOTWS Indian Ocean Tsunami Warning System IPRC International Pacific Research Center

IPY International Polar Year

IR Infrared

IRD-Brest L'Institut de recherché pour le developpement – Brest (France)

IRI International Research Institute for Climate Prediction ISCCP International Satellite Cloud Climatology Project

ITCZ Inter-Tropical Convergence Zone

IUGG International Union of Geodesy and Geophysics

JAMSTEC Japan Agency for Marine-Earth Science and Technology

JASL Joint Archive for Sea Level

JASON Not an acronym but the name of a join French/US altimeter mission JCOMM Joint WMO/IOC Technical Commission for Oceanography and Marine

Meteorology

JCOMMOPS Joint WMO/IOC Technical Commission for Oceanography and Marine

Meteorology Observing Platform Support

JGOFS Joint Global Ocean Flux Survey

JIMAR Joint Institute for Marine and Atmospheric Research, University of Hawaii

JIMO Joint Institute for Marine Observations

JISAO Joint Institute for the Study of the Atmosphere and Ocean

JMA Japan Meteorological Agency

J-OFURO Japanese Ocean Flux data sets with Use of Remote sensing Observations

JPL Jet Propulsion Laboratory JTA Joint Tariff Agreement KE Kuroshio Extension

KEO Kuroshio Extension Observatory KESS Kuroshio Extension System Study

LAS Live Access Server

LD, LDX Low Density Sampling Line

LLNL Lawrence Livermore National Laboratory
MAN Management Committee (JCOMM)
MAO Marine and Aviation Operations (NOAA)

MBT Mechanical Bathythermograph
MEDS Marine Environmental Data Services
MICOM Miami Isopycnic Coordinate Ocean Model

MJO Madden-Julian Oscillation

MOC Meridional Overturning Circulation

MOCHA Meridional Overturning, Circulation and Heat Transport Array

MOU Memorandum of Understanding

MS Microsoft

NACP North American Carbon Program

NAO North Atlantic Oscillation

NASA National Aeronautics and Space Administration NCAR National Center for Atmospheric Research

ncBrowse Graphical netCDF File Browser NDBC National Data Buoy Center NCDC National Climatic Data Center

NCDDC National Coastal Data Development Center NCEP National Centers for Environmental Prediction

NEAR-GOOS North-East Asian Regional GOOS

NERC National Environmental Research Council

NESDIS National Environmental Satellite, Data, & Information Service

netCDF network Common Data Form
NGDC National Geophysical Data Center
NGO Non-Governmental Organization

NIC National Ice Center

NIH National Institutes of Health

NIWA National Institute of Water and Atmospheric Research (New Zealand)

NMFS National Marine Fisheries Service

NMHS National Meteorological and Hydrological Services

NMRI Naval Medical Research Institute

NOAA National Oceanic and Atmospheric Administration

NODC National Oceanographic Data Center NOPP National Ocean Partnership Program

NORPAX North Pacific Experiment NOS NOAA Ocean Service

NOSA NOAA Observing System Architecture

NRC National Research Council
NSCAT NASA Scatterometer

NSF National Science Foundation NTC National Tidal Centre, Australia NWP Numerical Weather Prediction NWS National Weather Service

NWS-PR
 NVODS
 National Weather Service Pacific Region
 NVODS
 National Virtual Ocean Data System
 NWS Marine Observation Network
 OAFlux
 Objectively Analyzed air-sea heat Fluxes
 OAR
 Office of Oceanic and Atmospheric Research
 OCCC
 Ocean Carbon and Climate Change Program

OCCI Ocean Climate Change Institute

Ocean SITES Ocean Sustained Interdisciplinary Time series Environmental Observatory

OCO Office of Climate Observation

ODINAFRICA Ocean Data and Information Network for Africa

OGP Office of Global Programs

OMAO Office of Marine and Aviation Operations OOPC Ocean Observations Panel for Climate

OpenDAP Open Source Project for Network Data Access Protocol

OSMC Observing System Monitoring Center
PacificGOOS Pacific Global Ocean Observing System
PACIS Pan-American Climate Information System

PACS Pan American Climate Studies

PCES North Pacific Marine Science Organization

PDO Pacific Decadal Oscillation
PEAC Pacific ENSO Applications Center
PHOD Physical Oceanography Division

PIES Pressure Gauge Equipped Inverted Echo Sounder PIRATA Pilot Research Moored Array in the Tropical Atlantic

PMEL Pacific Marine Environmental Laboratory

PMO Port Meteorological Officer PNA Pacific North America

PNNL Pacific Northwest National Laboratory

POGO Partnership for the Observation of the Global Oceans

PP&I Program, Planning & Integration

QA Quality Assurance QSCAT Seawinds on QuikScat

RRP ENSO Rapid Response Project

RSMAS Rosenstiel School of Marine and Atmospheric Science

R/V Research Vessel

RVIB Research Vessel / Ice Breaker

RVSMDC Research Vessel Surface Meteorology Data Center

SABOM South African Bureau of Meteorology

SAC Special Analysis Center SAF Subantarctic Front

SAMOS Shipboard Automated Meteorological and Oceanographic System

SAR Synthetic Aperture Radar SAZ Subantarctic Zone

SCPP Seasonal-to-Interannual Climate Prediction Program

SCMI Southern California Marine Institute SCOR Scientific Committee for Ocean Research

SDE Spatial Database Engine

SEACOOS Southeast Atlantic Coastal Ocean Observing System

SEAFLUX Ocean Surface Turbulent Flux Project SEARCH Study of Environmental Arctic Change SEAS Shipboard Environmental data Acquisition System SEAS Windows version of the SEAS shipboard software

SEC South Equatorial Current

SEREAD Scientific Educational Resources and Experience Associated with the

Deployment of Argo profiling floats in the South Pacific Ocean

SI Seasonal-to-Interannual

SIO Scripps Institution of Oceanography

SIO-ECPC Scripps Institution of Oceanography-Experimental Climate Prediction Center

SLP Sea Level Pressure

SLP-PAC Sea Level Program in the Pacific SOC Southampton Oceanography Centre

SOI Survey of India

SOLAS Surface Ocean-Lower Atmosphere Study

SOOP Ship-of-Opportunity Program

SOOPIP Ship-of-Opportunity Implementation Panel

SOI Southern Oscillation Index SOT Ship Observations Team

SPARCE South Pacific Rainfall Climate Experiment

SPCZ South Pacific Convergence Zone SRDC Surface Reference Data Center SSG Scientific Steering Group

SSM/I Special Sensor Microwave Imager

SSP Sea Surface Pressure SST Sea Surface Temperature

START Global Change System for Analysis, Research, and Training

STD-C Standard C STF Subtropical Front

SURFRAD Surface Radiation Budget Network
TAO Tropical Atmosphere Ocean Array
TAV Tropical Atlantic Variability

TESAC Temperature, Salinity, Currents (format for data exchange)

TMI TRMM Microwave Imager

TOGA Tropical Ocean Global Atmosphere Program

TOGA/COARE Tropical Ocean Global Atmosphere / Coupled Ocean-Atmosphere Response

Experiment

TOPEX Ocean TOPography Experiment

TRACKOB Track observation

TRITON Triangle Trans-Ocean Buoy Network
TRMM Tropical Rainfall Measurement Mission

TSG Thermosalinograph

UHSLC University of Hawaii Sea Level Center

UNCED United Nations Conference on Environment and Development UNFCCC United Nations Framework Convention on Climate Change UNOLS University – National Oceanographic Laboratory System

UOT Upper Ocean Thermal

UOTC Upper Ocean Thermal Center
UPS Uninterruptible Power Supply
URI University of Rhode Island
USB Universal Serial Bus

USCG United States Coast Guard

USIABP U.S. Interagency Arctic Buoy Program

USGCRP U.S. Global Change Research Program

UW University of Washington VOS Volunteer Observing Ship

VOSClim WMO Volunteer Observing Ship Climate project

WCRP World Climate Research Program

WDC-A World Data Center-A for Oceanography

WFS Web Feature Service

WGASF Working Group on Air-Sea Fluxes

WHO World Health Organization

WHOI Wood's Hole Oceanographic Institution WMO World Meteorological Organization

WMS Web Map Service

WOCE World Ocean Circulation Experiment

WWE Westerly Wind Event

WWW The World Weather Watch of WMO XBT Expendable Bathythermograph

XCTD Expendable Conductivity Temperature Depth